

• COLORADO RIVER •
AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

Vol. IV

AUGUST 10, 1937

No. 15



THUNDER HEAD OVER COXCOMB MOUNTAINS

Will Fox, M.W.D. staff photographer, took this picture from Division 3 headquarters. The aqueduct line is seen along the base of the mountains at the right.

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AQUEDUCT NEWS
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

306 WEST THIRD ST.
 LOS ANGELES, CALIFORNIA

Published twice monthly in the interest of Field and Office Workers on the Colorado River Aqueduct, and for the information of all other citizens of the Metropolitan Water District.

Vol. IV August 10, 1937 No. 15

First Concrete Placed In Parker Dam

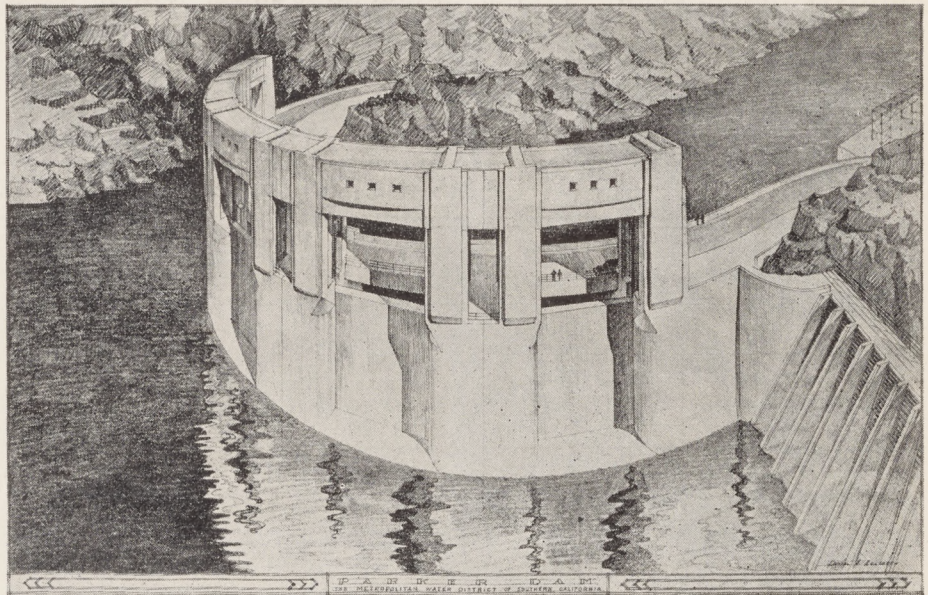
Actual construction of one of the last and most important structures on the aqueduct was set under way at 5:23 P. M. on July 29 when the first bucket of concrete was placed for Parker Dam. Spread out on bedrock, 237 feet below the surface of the Colorado River, this was the first batch of the estimated 260,000 cubic yards of concrete that will be required to complete the structure. By midnight of July 31, the height of the concrete had been raised nine feet and 1,100 cubic yards of concrete had been placed.

As an integral part of the aqueduct, Parker Dam is being built by the United States Bureau of Reclamation with funds supplied by the Metropolitan Water District. E. A. Moritz is Construction Engineer for the U.S.B.R. at Parker Dam, and Frank Crowe is General Superintendent for the J. F. Shea Co., who is building the dam as a sub-contractor for the Six Companies.

Rising to a total height of 320 feet above bedrock, Parker Dam will create a reservoir approximately 50 miles long and reaching nearly to Needles, California. The surface of the Colorado River back of the dam will be lifted 70 feet, and the reservoir will have a capacity of 716,000 acre feet. The Intake pumping plant of the aqueduct is located approximately three miles upstream from the dam (north) on the California side of the river.

In order to reach a bedrock foundation for the dam it was necessary to excavate to a depth of 237 feet below the original surface of the river. This is believed to be the deepest excavation that has ever been made for a dam. The removal of 1,470,325 cubic yards of earth and rock was required.

When completed, the roadway along the top of the dam will be eighty feet above the original surface of the river.



This sketch, by Dan Elliott of the Electrical-Mechanical Division, shows the upstream face of Parker Dam as it will look when completed.

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 San Jacinto Tunnel, District Force Acct., B. C. Leadbetter, Gen. Supt.; S. J. Shrode, John Austin and C. E. Sides, Tunnel Supts.; Chas. F. Thomas, Jr., Supt.; F. A. Backman, Gen. Foreman.

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Monrovia Tunnels Nos. 1, 2 and 3, West Construction Co., H. E. Carleton, Gen. Supt.; Peter Brisbois and Luther Dennis, Tunnel Supts.; E. M. Penn, Concrete Supt.
 San Rafael Tunnels Nos. 1 and 2, and Monrovia Tunnel No. 4, L. E. Dixon Co., Bent Bros., Inc., and Johnson, Inc.; S. D. Hackley and W. N. Evans, Supts.

(Canal, Siphon, Conduit)

Schedules Nos. 1, 1A, 1B, 10, 10A, 10B, 11, 11A, 11B, 11C, 13, 13A, and 13B, Aqueduct Construction Co., S. T. Corfield, Gen. Supt.; Charles Harlowe, Jr., Excav. Supt.
 Schedules Nos. 2, 2A, 2B, 3, 3A, 3B, 7, and 7A, Barrett & Hip and Macco Corp.; H. W. McKinley, Supt.
 Schedules Nos. 6, 8, 8A, and 8B, Clyde W. Wood and M. J. Bevanda, A. F. Weesner, Gen. Supt.

Schedules Nos. 9, 9A, 9B, and 9C, The Utah Construction Co.; Gen. Arp, Gen. Supt.
 Schedules Nos. 12 and 12A, Three Companies, Inc., John Will, Supt.

Schedules Nos. 14, 15, and 16, Thompson - Starrett Co., Inc., Rodney Smith, Gen. Supt.; William Hayes, Excav. Supt.
 Schedules Nos. 18, 19, and 20, J. F. Shea Co., Inc., J. G. Shea, Gen. Mgr.; H. F. Rennebohm, Supt.

(Distribution Pipe Line)

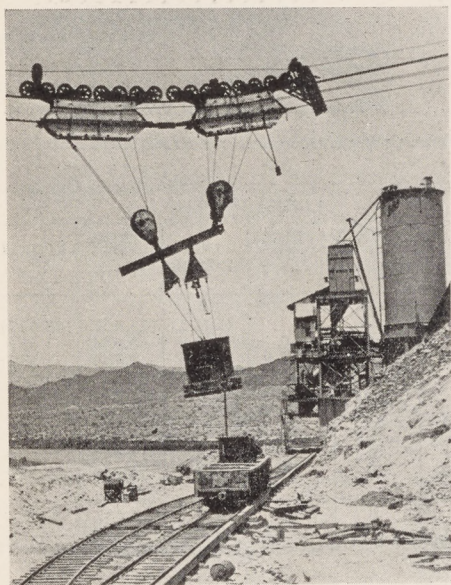
Schedules No. 1P and 3P, American Concrete & Steel Pipe Co., Wm. A. Whiting, Gen. Supt.; D. H. Rankin, Plant Supt. and Const. Supt.
 Schedules 6P and 7P, J. F. Shea Co., Inc., J. G. Shea, Gen. Mgr.; Ed. H. Shea, Gen. Supt.
 Schedule 10P, United Concrete Pipe Corp., John Huber, Plant Supt.; Roy Richards, Const. Supt.
 Schedules 2B and 2S, Western Pipe & Steel Co., L. L. White, Supt.
 Schedules 8C, 9C, 12C, Basich Bros.; P. N. Hartzell, Supt.

(Dams)

Cajalco dam, The Griffith Co., Franz Fohl, Gen. Supt.
 Parker Dam, J. F. Shea Co., Frank Crowe, Gen. Supt., E. A. Moritz, Constr. Eng., U.S.B.R.
 Gene Wash dam, Copper Basin dam, J. F. Shea Co., Frank Crowe, Gen. Supt.

(Pumping Plants)

Intake and Gene, Winston Bros. and Crowell, R. A. Crowell, Supt.; F. T. Hillman Engr.
 Iron Mountain, Wood and Bevanda; Grant Miner, Supt.
 Eagle Mountain, L. E. Dixon Co.; J. H. Larkin, Supt.
 Hayfield, Dixon and Case; Crawford Strohacker, Supt.



The first bucket of concrete swings clear of the Arizona side of Parker Canyon, and—



At 5:23 P. M., July 29, it is dumped on bedrock, 237 feet below the surface of the Colorado River, to mark the beginning of Parker Dam.



Looking down from the top. By July 31, 1,100 cubic yards of concrete had already been placed, and Parker Dam is on its way.

Construction Notes Along the Line

In spite of the fact that the main aqueduct is approximately three-fourths completed, and that the open work concreting on this part of the job is suspended for the summer months, it is interesting to note that there are nearly 5,000 men employed on the job at the present time.

On July 31, nearly 1,800 (1,796) of these employees were working on distribution construction and in the Los Angeles office, and the balance were employed on main aqueduct work.

A check along the construction front, via the progress report for the week ending July 31, reveals some interesting items.

As predicted in the last NEWS, the Cabazoneers exceeded their June driving record, and established another new record for San Jacinto tunnel excavation progress. During July, the crews worked 30 days, and excavated 865 feet of the main tunnel. This exceeded their June record by 59 feet, and established a record of 9.61 feet per shift. Because of the excellent progress being made in the main heading, work in the Cabazon pioneer has been suspended, and preparations are being made to start the placing of concrete lining in the main tunnel west of the Cabazon shaft.

Out in the vicinity of the Mecca Pass tunnels, Thompson-Starrett Co. crews are doing preliminary work in connection with the construction of the conduit and siphons that will connect the Cot-

tonwood, Mecca Pass, and East Coachella tunnels. This consists of schedules 16, 16A, and 16B, which are respectively 17,066 feet of conduit, 1,132 feet of 12 ft., 4 in. siphon, and 1,161 feet of 16 ft. siphon. Work in progress at the present time involves the building of a camp and batching plant, and trench excavation for the conduit.

On the Distribution Division, the American Concrete and Steel Pipe Co. has completed the placing of precast concrete pipe sections in schedule 3, length 20,124 feet, and is now working on schedule 1, which leads from the Cajalco Reservoir to the welded steel siphon being constructed by the Western Pipe and Steel Co.



Snapped at the scene of action during the placing of the first concrete at Parker Dam are Frank Crowe, General Superintendent for the J. F. Shea Co.; J. L. Burkholder, Assistant General Manager of the M.W.D.; and E. A. Moritz, Construction Engineer for the U.S.B.R.

CONSTRUCTION

TUNNELS

July 1 to 31, 1937

TUNNEL EXCAVATION (MILES)

	Completed	Remaining
Aqueduct	88.12	3.99
Distribution	16.20	0
Total	104.32	3.99

TUNNEL LINING (MILES)

	Completed	Remaining
Aqueduct*	83.51	8.60
Distribution	11.42	4.73
Total	94.93	13.33

*Arch considered to equal 0.9 completed section.

AQUEDUCT

CONTRACTOR	TUNNEL	LENGTH IN FEET	EXCAVATION IN FEET					LINING IN FEET					
			NUMBER OF SHIFTS	AVERAGE PER SHIFT	THIS PERIOD	TOTAL TO DATE	REMAIN- ING	ARCH OR INVERT	NUMBER OF SHIFTS	AVERAGE PER SHIFT	THIS PERIOD	TOTAL TO DATE	REMAIN- ING
THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	SAN JACINTO	(68,849)			(995)	(47,761)	(21,088)				(1,671)	(23,437)	(45,412)
	Cabazon Shaft to East Portal	8,880		Completed		8,880	0	{ Arch	0	0	0	8,484	396
	Cabazon to Lawrence	26,817	90	9.6	865	15,900	10,917	{ Invert	42	198.9	8,353	8,484	396
	Cabazon Pioneer	18,119	74	8.5	629	7,247	10,872						
	Lawrence Adit	5,651	90	4.0	360	4,949	702						
	Potrero Pioneer	15,195	90	1.5	138	5,479	9,716						
	Potrero to Lawrence	17,670	90	1.4	130	7,499	10,171						
	Potrero Shaft to West Portal	15,482		Completed		15,482	0	{ Arch	0	0	0	14,953	529
								{ Invert	0	0	0	14,953	529
	TOTALS	Ft. 68,849 Miles (13.04)	180	5.5	995 (0.19)	47,761 (9.05)	21,088 (3.99)	Arch	0	0	0	23,437	45,412
								Invert	42	198.9	8,353	23,437	45,412

DISTRIBUTION

GRIFFITH CO.	CAJALCO OUTLET	2,368	Completed	2,368	0	63	10.4	655	1,973	375
WEST CONSTRUCTION CO.	MONROVIA NO. 1 (From W.P.)	7,868	Completed	7,868	0				7,796	0
	MONROVIA NO. 2 (From Jct. 1)	940	Completed	940	0				856	0
	MONROVIA NO. 3	(32,105)	Completed	(32,105)	(0)					
	East from Adit	11,340		5,913	0	Full Sec.		0	11,284	(18,658)
	West from Adit			14,851	0	Invert*	63	75.8	4,776	10,050
DIXON, BENT BROS. & JOHNSON	MONROVIA NO. 4 (From W.P.)	8,133	Completed	8,133	0			19.2	1,152	3,150
	SAN RAFAEL No. 1 (From W.P.)	4,047	Completed	4,047	0			Completed	1,612	4,028
	SAN RAFAEL No. 2 (From E.P.)	5,669	Completed	5,669	0			21.5	1,612	4,697
	TOTALS	Ft. 61,130 Miles 11.58		61,130 11.58	0	Full Section	261	16.7	4,374 (0.83)	35,936 (6.80)

*Invert considered to equal 0.2 completed section

Miscellaneous Construction

July 18 to 31, 1937

AQUEDUCT PUMPING PLANTS AND APPURTENANT WORKS

CONTRACTOR	FEATURES	EXCAVATION—Cu. Yds.				CONCRETE—Cu. Yds.				STEEL—Tons			
		Est. Quan.	Period	To Date	%	Est. Quan.	Period	To Date	%	Est. Quan.	Period	To Date	%
WINSTON BROS. CO. & WILLIAM C. CROWELL	Intake Plant	111,342	0	108,995	98	22,729	0	19,156	84	1,673	0	1,441.0	86
	Gene Plant	87,244	0	87,244	100	14,770	0	14,257	96	2,002	0	1,947.3	97
WOOD AND BEVANDA	Iron Mt. Plant	354,909	0	354,909	100	22,942	38	22,942	100	1,795	0.5	1,795.7	100
L. E. DIXON CO.	Eagle Plant	268,291	0	241,042	90	27,125	415	21,907	81	2,029	110.5	1,240.3	61
L. E. Dixon & Case Const. Co.	Hayfield Plant	343,352	0	336,336	98	31,408	521	9,957	32	2,695	15.7	821.0	30
	TOTALS		0	1,128,526			974	88,219			126.7	7,245.5	

PARKER RESERVOIR—SIX COMPANIES, INC.

FEATURES	Est. Quan.	Period	To Date	Percent
Diversion Tunnels—Excav.	3,463 Ft.	0	3,463	100
Diversion Tunnels—Concrete	3,363 Ft.	0	3,363	100
Cofferdams—Excav.	227,582 C.Y.	0	227,582	100
Cofferdams—Fill	464,890 C.Y.	0	464,890	100
Outlet Works—Excav.	220,000 C.Y.	0	207,176	94
Outlet Works—Concrete	5,000 C.Y.	188	3,292	66
Dam—Excavation	1,596,400 C.Y.	6,000	1,470,325	92
Dam—Concrete	260,000 C.Y.	1,100	1,100	0.4
Power House—Excav.	75,000 C.Y.	0	36,335	48
Power House—Concrete	14,000 C.Y.	0	0	0

GENE WASH RESERVOIR—J. F. SHEA CO., INC.

FEATURES	Est. Quan.	Period	To Date	Percent
Dam—Excavation	6,500 C.Y.	200	5,300	81
Dam—Concrete	13,365 C.Y.			
Spillway—Excavation	3,300 C.Y.	240	3,240	98
Spillway—Concrete	3,200 C.Y.			
Dike—Excavation	4,600 C.Y.	440	1,840	40
Dike—Fill	10,500 C.Y.			
Dike—Concrete	1,200 C.Y.			

CAJALCO RESERVOIR—GRIFFITH COMPANY

FEATURES	Est. Quan.	Period	To Date	Percent
Diversion Tunnel	2,000 Ft.	0	2,000	100
Outlet App. Channel—Exc.	199,190 C.Y.	0	199,190	100
Outlet Tower—Concrete	3,110 C.Y.	61	2,941	95
Dam & Spillway—Exc.	737,000 C.Y.	18,080	575,322	78
Dam—Fill	3,463,300 C.Y.	148,600	2,166,000	62
Dam & Spillway—Concrete	28,000 C.Y.	125	12,110	43
Dike—Excavation	13,700 C.Y.	0	13,680	99
Dike—Fill	3,900,000 C.Y.	0	3,855,500	99
Dike—Concrete	44,100 C.Y.	0	41,680	95

BOULDER TRANSMISSION LINE—FRITZ ZIEBARTH

FEATURES	Length—Line Mi.	Period	To Date	Percent
Footings Constructed	237.0	0	237	100
Towers Erected	237.0	0	237	100
Wire Strung	237.0	0.5	237	100

COPPER BASIN RESERVOIR—J. F. SHEA CO., INC.

FEATURES	Est. Quan.	Period	To Date	Percent
Dam & Spillway—Exc.	10,000 C.Y.	400	3,400	34
Dam & Spillway—Conc.	14,725 C.Y.			

ION PROGRESS

CANAL, CONDUIT AND SIPHON (MILES)

	Completed	Remaining
Excavation	137.82	7.85
Concrete	135.90	8.72
Back Fill	72.03	8.87

CANAL, CONDUIT, SIPHON & PIPE LINES

July 18 to 31, 1937

DISTRIBUTION PIPE LINE (MILES)

	Completed	Remaining
Excavation	39.62	6.69
Concrete	38.75	7.56
Back Fill	36.19	10.12

AQUEDUCT

SCHED. NO.	CONTRACTOR	FEATURES	Length In Feet	EXCAVATION—Feet			CONCRETE—Feet			BACKFILL—Feet		
				Period	To Date	Remain'g	Period	To Date	Remain'g	Period	To Date	Remain'g
12	THREE COMPANIES, INC.	Conduit and Siphons	32,977	0	32,977	0	0	32,977	0	0	30,738	0
14	THOMPSON-STARRETT CO.	Conduit and Siphons	32,366	0	32,366	0	0	32,366	0	0	32,366	0
15		Conduit and Siphons	35,849	0	35,849	0	0	35,849	0	0	35,849	0
16		Conduit and Siphons	19,359	1,540	3,854	15,505	0	0	19,359	0	0	19,359
18	J. F. SHEA CO., INC.	Conduit and Siphons	27,537	0	27,537	0	0	27,537	0	0	27,327	210
19	J. F. SHEA CO., INC.	Conduit and Siphons	37,364	0	11,453	25,911	0	11,426	25,938	0	11,217	26,147
20		Siphons	18,618	0	18,618	0	0	18,618	0	0	18,618	0
20 A & B	M. W. D.—FORCE ACCT.	Siphons	752	0	705	47	0	0	752	0	0	752
3	WINSTON BROS. CO. & WILLIAM C. CROWELL	Siphon (Gene Inlet)	1,877	0	1,877	0	0	1,860	17	0	1,478	320
4		Siphon (Copper Basin)	450	0	450	0	0	450	0	0	0	0
TOTALS			207,149	1,540	165,686	41,463	0	161,083	46,066	0	157,593	46,788

DISTRIBUTION PIPE LINES

1	AMER. CONC. & STEEL PIPE CO.	Precast Concrete Pipe	12,277	849	849	11,428	0	0	12,277	0	0	12,277
2	WESTERN PIPE & STL. CO.	Welded Steel Pipe	54,530	2,145	50,776	3,754	2,030	47,698	6,832	2,215	37,417	17,113
3	AMER. CONC. & STEEL PIPE CO.	Precast Concrete Pipe	20,124	0	20,124	0	601	20,124	0	1,425	19,881	243
4		Precast Concrete Pipe	25,867	0	25,867	0	0	25,867	0	0	25,867	0
5		Precast Concrete Pipe	24,892	0	24,892	0	0	24,892	0	0	24,892	0
6	J. F. SHEA CO., Inc.	Precast Concrete Pipe	27,294	0	27,294	0	0	27,294	0	0	25,838	1,456
7		Precast Concrete Pipe	30,044	1,801	18,331	11,713	1,764	18,081	11,963	1,636	17,481	12,563
9	UNITED CONC. PIPE CORP.	Precast Concrete Pipe	8,697	1,175	1,575	7,122	1,141	1,500	7,197	1,135	1,135	7,562
10		Precast Concrete Pipe	10,517	0	10,517	0	0	10,517	0	0	10,450	67
11		Precast Concrete Pipe	4,105	0	4,105	0	0	4,071	34	457	3,597	508
IC-9C-12C	BASICH BROTHERS	Cast-in-Place Conc. Pipe	1,656	0	343	1,313	0	0	1,656	0	0	1,656
TOTALS			220,003	5,970	184,673	35,330	5,536	180,044	39,959	6,868	166,558	53,445

Completed Features

TUNNELS

	CONTRACTOR	TUNNEL	Length in Miles	Work Started	Work Completed
AQUEDUCT	MORRISON-KNUDSEN CO.	Mecca Pass, No. 1, 2 & 3	1.13	7-17-33	2-10-35
	WEST CONSTRUCTION CO.	Whitewater Nos. 1 & 2	1.94	7-18-33	4-13-35
	SHOFNER & GORDON	Hayfield No. 2	1.03	7-8-33	7-27-35
	HAMILTON & GLEASON	Bernasconi	1.18	4-19-33	11-21-35
	J. F. SHEA CO., INC.	Cottonwood	3.81	6-14-33	12-29-35
	HUNKIN-CONKEY CON. CO.	Hayfield No. 1	1.84	10-21-33	1-9-36
	DIXON & BENT BROS.	W. Eagle—West Portion	2.02	9-8-33	3-12-36
	DRAYO CONTRACTING CO.	Valverde	7.20	6-7-33	10-18-36
	WALSH CONSTRUCTION CO.	Colorado River	1.04	3-2-34	1-29-36
	WALSH CONSTRUCTION CO.	Copper Basin Nos. 1 & 2	2.32	10-4-33	2-20-36
	WALSH CONSTRUCTION CO.	Whipple Mountain	6.11	8-25-33	1-26-37
	UTAH CONSTRUCTION CO.	Iron Mt.—West Portion	3.07	5-15-33	10-23-36
	WINSTON BROS. CO.	Iron Mt.—East Portion	4.48	8-9-33	10-30-36
	METRO. WATER DIST.	1000 Palms No. 1	3.04	1-25-33	1-7-37
	" " "	1000 Palms No. 2	0.73	2-24-33	12-19-35
	" " "	Wide Canyon No. 1	2.71	3-31-33	2-11-37
	" " "	Wide Canyon No. 2	0.16	3-24-33	2-12-37
	" " "	Seven Palms	3.17	4-27-33	2-2-37
	" " "	Long Canyon	2.90	3-6-34	12-31-36
	" " "	Blind Canyon	1.29	3-22-34	12-3-36
	" " "	Morongo No. 1	1.08	4-21-34	1-20-37
	" " "	Morongo No. 2	0.36	12-29-34	1-5-37
	BRODERICK & GORDON	West Eagle Mt.—E. Portion	3.00	2-8-34	5-6-37
	WINSTON BROS.	Coxcomb	3.37	9-15-33	4-26-37
	METRO. WATER DIST.	East Coachella	18.30	1-25-33	5-8-37
	BRODERICK & GORDON	East Eagle Mt.	1.79	6-8-34	7-23-37
TOTALS			79.07		
DISTRIBUTION	J. F. SHEA CO., INC.	Sierra Madre	1.27	9-1-35	10-31-36
	DIXON, BENT BROS. & JOHNSON	Pasadena Extension	1.05	10-5-35	11-24-36
	DIXON, BENT BROS. & JOHNSON	Pasadena	2.30	2-11-35	4-29-37
TOTALS			4.62		

CANAL, CONDUIT, SIPHON, AND PIPE LINES

	CONTRACTOR	FEATURE AND NAME OR SCHEDULE	Length in Miles	Work Started	Work Completed
AQUEDUCT	UNITED CONCRETE PIPE CORP.	Little Morongo Siphon	0.13	2-27-34	8-20-34
	METRO. WATER DIS.	Fan Hill Conduit and Siphon	0.32	10-21-33	11-19-34
	MORRISON-KNUDSEN CO.	Sch. No. 18-J, Big Morongo and San Andreas Siphon	1.86	2-12-35	9-16-36
	GRIFFITH COMPANY	Sch. No. 20-C, 21, 22, 23 & 23-A	12.79	1-5-35	10-13-36
	JAHN & BRESSI CONST. CO.	Sch. No. 5, Canal and Siphons	10.15	12-18-34	11-17-36
	JAHN & BRESSI CONST. CO.	Sch. No. 4, Canal and Siphons	10.08	6-6-35	3-18-37
	UTAH CONSTRUCTION CO.	Sch. No. 9, Canal, Conduit & Siph.	8.97	12-12-34	5-15-37
	BARRETT-HILP & MACCO CORP.	Sch. No. 2, 3, 7, Canal, Con. & Siph.	18.71	12-3-34	5-25-37
	METRO. WATER DIST.	Sch. No. 17, Conduit and Siphons	4.16	9-9-35	6-15-37
	AQUEDUCT CONST. CO	Sch. No. 1,10,11,13 Canal, Con. & S.	26.99	1-24-35	6-24-37
	WOOD & BEVANDA	Sch. No. 6, 8, Canal & Siphons	12.28	11-27-34	7-28-37
TOTALS			106.44		
DISTRIBUTION	UNITED CONCRETE PIPE CORP.	Sch. No. 8P, Precast Concrete Pipe	4.65	2-21-36	3-20-37



Clinging to the crest of the hill with the aid of the two outriding "cats" shown at the right and left, this giant gantry crane of the American Concrete and Steel Pipe Co. is placing the last sections of distribution schedule 3 on the north slope of the Jurupa Mountains.

Girl Caddies For Picnic Golfers

Featuring girl caddies for the golfing bugs, a women's baseball game, and the annual knock-down-drag-out horseshoe contest between the teams of the L. A. Office and the Field, the yearly Employees' Picnic will be held at Brookside Park, Pasadena, on Sunday, September 12, 1937.

Sponsored this year by the L. A. Office, the picnic is expected to be "bigger 'n better" than ever. All aqueducters, contract and force account, are requested to save this date and bring their families and friends to Brookside Park, which is in the Arroyo Seco just below the Rose Bowl.

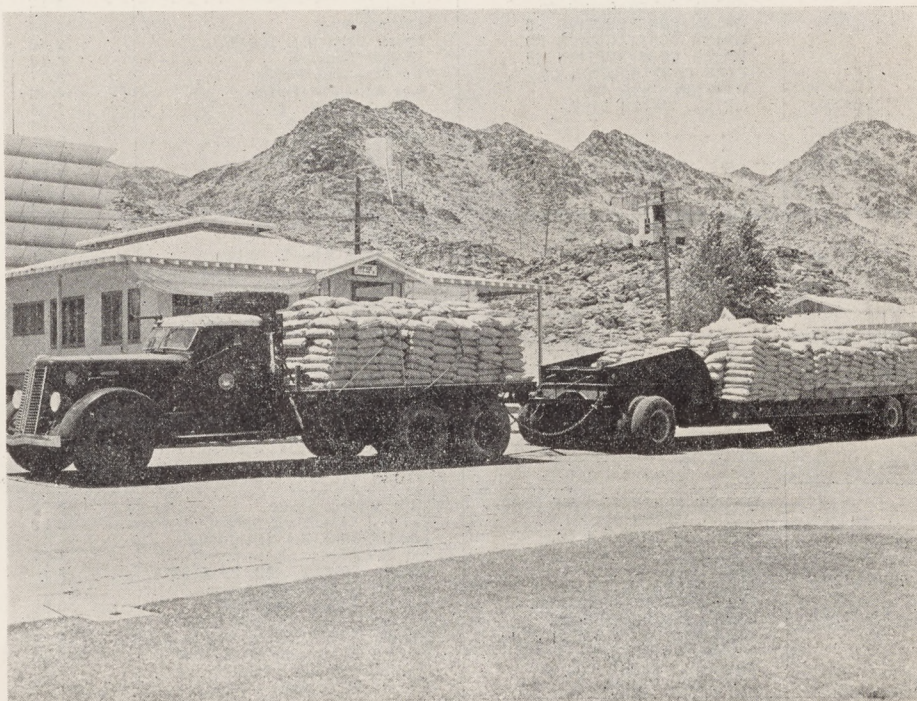
Jimmie Swinford of Accounting, who is in charge of the golfing part of the program, has guaranteed to supply a beautiful girl caddie for each and every golfer who enters the tournament. The line of entrants forms on the right, and those who require a particular "type" of caddie had better get their requests into Swinford in the immediate future. The NEWS will accept no responsibility for those who get trampled in the rush, or for those who get left out because they didn't know about the caddies.

A complete lunch will be served for 40 cents per plate, and for those who

prefer to bring their own lunch, coffee and ice cream will be served for 10 cents. Advance reservations will be necessary for the lunch, and for the coffee and ice cream. Tickets are now available at all camps and offices. Bulletin boards

carry information regarding ticket sellers.

Complete details and program for the picnic will be published in the next issue of the NEWS.



The new truck and trailer unit purchased by the District for use in connection with pumping plant construction. The 24-wheel trailer has a capacity of 50 tons.

Pomona Fair To Open Sept. 17

The Los Angeles County Fair, which annually attracts the attention of thousands of Southern California residents, will open this year on September 17, and will feature the addition of seven new fair buildings. Held in the 200-acre exposition park in Pomona this seventeen day exposition promises to have many exhibits which will be of interest to aqueducters.

New construction now under way is the most extensive in the exposition's history. Over 300 men are at work on the different projects, which include a beautiful fine arts building, machinery hall, junior fair building, and structures for the livestock exhibits. Also being constructed is a spacious restaurant and cafeteria building.

Hundreds of aqueduct employees attended the fair last year, which featured "Metropolitan Water District Days." The District's unique exhibit last year consisted of two sections of precast concrete pipe, each 12 feet in diameter, which were used as exhibit booths. More than 75,000 people inspected the M.W.D. exhibit last year.

NEWS FROM FIELD AND OFFICE

Joe Base, one of the old timers in the Design Division, resigned from the District on July 16 to accept a position with the Public Works Administration. Joe had only recently been elected to represent his group on the Employees' Association Board of Control. It is reported that a hot fight is brewing for the now vacant political plum. Fred Ingram and Clyde Jenkin, both of Distribution, are named as two of the plumbers.

* * *

San Jacinto tunnel workers are boosting Bob LeFevre, machineman at Potrero, to take Joe Louis' place as king of swat following his sensational conquest of Monty Unger at the Lawrence Bowl on July 29. LeFevre was not scheduled in the card, but when Unger's opponent failed to show up—Bob challenged Unger (considered one of the best boxers on the program) and koed him after the first minute and ten seconds of the first round. Bob LeFevre was knocked down once in the fast and furious round, but the siesta only stopped him for a few seconds.

* * *

The Mutual Broadcasting System will present a national broadcast from Parker Dam from 6:00 to 6:15 P. M. on Saturday, August 14. Station KHJ will be the Los Angeles outlet for this program originating on the Colorado River.



This aqueducker's ancestors were roaming Parker Canyon when Alarcon discovered the Colorado River in 1539. A member of the Parker Indian Reservation, he is employed by the Shea Co. on the construction of Parker Dam.

Aqueduct Temperatures

July 16 to 31, 1937

	Max.	Min.
Div. 1	120°	80°
Div. 2	116°	79°
Div. 3	115°	77°
Div. 4	109°	75°
Divs. 5 and 6.....	104°	57°



This week's personality is the bandit of Bandit's Pass, out near Division 1 headquarters. One of the first pictures taken of this tough hombre was made during the days of the preliminary surveys, at which time he was garbed in a ten-gallon hat, chaps, and pistols. Since the Shea Co. have started the relocation of the road through the pass to the Copper Basin dam, Frank Crowe has put the bristly bearded gent on the payroll as a flagman.

An Associated Press dispatch from Platinum, Alaska, quotes George M. Campbell as stating that in his opinion a recent platinum strike in which he is associated in that vicinity will be the richest in Alaska's history. George Campbell is well known to many aqueduckers, having been a general foreman on Division 4, and later was employed at the Lawrence adit of the San Jacinto tunnel. Platinum, Alaska, is in the general vicinity of Anchorage, from which seaport Campbell has been flying materials and equipment into the area where his mineral strike is located.

* * *

Ed Medendorp, formerly maintenance foreman of the swing shift at Berdoo, has been transferred to the force account work at the Iron Mt. pumping plant.

The "Battling Precasters" walloped the "San Rafael Moles" 6 to 0 in the first of their Aqueduct World Series. The "Battling Precasters" being otherwise known as the Shea Co. softball team with home park in Ontario, where the players are engaged in fabricating the precast concrete pipe sections for distribution schedule 7P. The "S-R-Ms" is a team composed of tunnel employees of the L. E. Dixon Company on the San Rafael and Monrovia 4 tunnels. The highlight of the game was the pitching of Carl Mathis of the Precasters who fanned 16 men and pitched a no hit, no run game. It is understood that the "Moles" have asked for a return game which probably will be played at the Employees' Picnic on September 12. (See story page 6). Respective managers should contact the Picnic Committee to make final arrangements for the field at Brookside Park.

* * *

The Glendale Star reports the engagement and coming marriage of Suzanne Learoyd of Glendale and Simon M. Lutz, Jr. Si Lutz is an inspector on the Distribution division. This will serve as a notice to the rest of the distributors to be on the lookout for cigars.



The gent with the "swallowed the canary" smile on the right is Harry Crawshaw, who has just received an order from Jimmie Swinford, left, for a set of matched golf clubs. Harry, an old time aqueducker, was the winner of the recently completed series of M.W.D. golf tournaments. Swinford, of Accounting, is chairman of the employees' picnic golf program, and will select the girl caddies for the players.

20,000TH WHITE CARD ISSUED AT LABOR OFFICE

The Labor Employment Office reports that on July 15, 1937, Mack D. Fletcher was issued identification certificate number 20,000. All men assigned to work for contractors receive identification cards bearing their photographs and thumb prints—blue cards for ex-service men, and white cards for all others.

Since the first actual construction work on the aqueduct was started in December, 1932, it is estimated that approximately 33,000 men have been directly employed on the job. The use of the present system of identification cards was not started at the beginning of the job so that Fletcher's number, 20,000, does not indicate the entire story. On July 15, more than 6,800 blue cards had been issued to ex-service men, and Col. Jamieson estimates that more than 12,000 veterans have been employed in the building of the aqueduct.

Fletcher was assigned to Basich Brothers as a truck driver on the construction of siphons in the distribution division.

BIDS REQUESTED ON PUMPS AND COMPRESSORS

Notices inviting bids have been issued for Specifications No. 231 for five horizontal centrifugal pumping units each with a capacity of 2,600 g.p.m. against a total head of 850 feet to be used in the construction of the San Jacinto tunnel. Bids have also been requested for five electric motor-operated air compressors for use in the five aqueduct pumping plants and to be supplied under Specifications No. 232. Bids for the pumps will be opened on August 16, and those for the compressors will be opened on August 17, 1937.

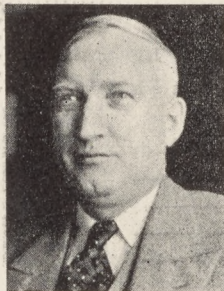
FOR THOSE HAVING NOTHING BETTER TO DO

Monty Hawks of the Design Division submitted this brain teaser to the NEWS for publication and thereby practically disrupted that organization. It can be solved, but the office boy used up all the scratch paper in the place and got a severe headache in the process.

Here it is: "The combined ages of Frank and Ernest are 48 years, and Frank is twice as old as Ernest was when Frank was half as old as Ernest will be when Ernest is three times as old as Frank was when Frank was three times as old as Ernest. How old is Frank?"

If you can read it through, and still know where you are, you are in a good place to start the solution.

Who's Who On the Aqueduct



R. W. Bruce

R. W. BRUCE

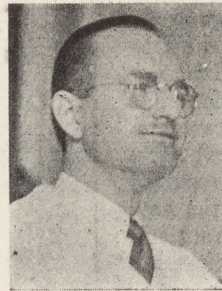
Attorney, Legal Division, Metropolitan Water District

Born in Cherokee County, Iowa, March 26, 1887 . . . Obtained his B.S. degree from Northwestern University, Evanston, Illinois, in 1910, and graduated from the Law School of the University of Southern California in 1913 . . . 1913-1917, law practice in Los Angeles with Charles L. Childers . . . 1917-1927, private law practice with Lucien Gray in Los Angeles . . . 1927-1931 in private law practice and associated with Bordwell, Mathews, and Wadsworth in Los Angeles . . . Has been with the Metropolitan Water District since September 1, 1931 . . . Is married and has three daughters.

H. M. MASON

Health Officer, Metropolitan Water District

Born at Isney, Alabama, June 25, 1905 . . . Received degree of B.A. from University of Alabama in 1927 and graduated from College of Medicine, University of Tennessee in 1931 . . . Spent his internship in hospital of the Tennessee Coal, Iron and Railway Company, Fairfield, Alabama . . . 1932-1933, House Doctor, Los Angeles Children's Hospital . . . 1933-1934, Resident Physician, the Good Samaritan Hospital, Los Angeles . . . Has been with the M.W.D. since May 1, 1934 . . . Is in



H. M. Mason



N. I. Berg

N. I. BERG

Chief Costkeeper, Metropolitan Water District

Born May 15, 1885, at Fort Ripley, Minnesota . . . Was with Stone and Webster Engineering Corporation for 26 years. During this period he was in the following localities: '06-'07, Steam Turbine Power Station for Seattle Electric Co., timekeeper and materialman . . . '07-'11, Cost Accounting and Paymaster, Seattle District office of Stone and Webster on buildings and miscellaneous construction work . . . '11-'12, Office Manager, Hydroelectric plant for Northwestern Electric Co., White Salmon, Wash. . . 1913-1914, Office Manager on Coal Gas Plant, Pawtucket Gas Co., Pawtucket, R. I. . . '15-'17, Office Manager for Steam Generating plant, General Electric Co., Buffalo, N. Y. . . 1917-1932, Job Auditor and Business Manager, Hog Island Ship Yard, the Emergency Fleet Corporation. U. S. Shipping Board, Steam Turbine plant, Weymouth, Mass., Steam Power Station, Murphysboro, Ill., Hydroelectric plant, Conowingo, Md., and Hydroelectric plant, Osage River, Bagnell, Mo. . . With M.W.D. since March, 1933 . . . Married and has one daughter.

AQUEDUCKER GETS SOVIET SOUVENIRS

John Matchinoff, who works in the Potrero heading of the San Jacinto tunnel, obtained some unique souvenirs of the Soviet flyers' hop from Moscow which ended in the cow pasture just west of the San Jacinto tunnel. When the plane was being disassembled, Matchinoff secured the fuel from the plane—benzoin, from the Baku oil fields of Russia, and bottled it in small vials which he is now selling to souvenir fans.

MEAD LAKE TOPS 15 MILLION ACRE FEET

Discharge of the Colorado river at Grand Canyon for the month of July was 1,370,000 acre feet, compared with 1,040,000 acre feet in July, 1936, according to figures released by James H. Gordon, government meteorologist at Yuma.

Estimated storage behind Boulder Dam on August 1 was 15,690,000 acre feet. Discharge for the month at Parker was 650,000 acre feet.